

Fig. 1

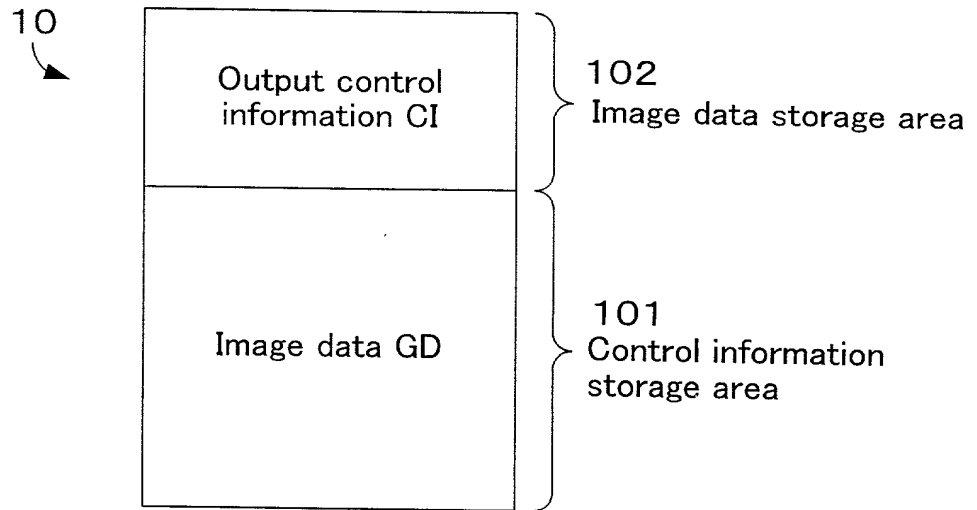


Fig. 2

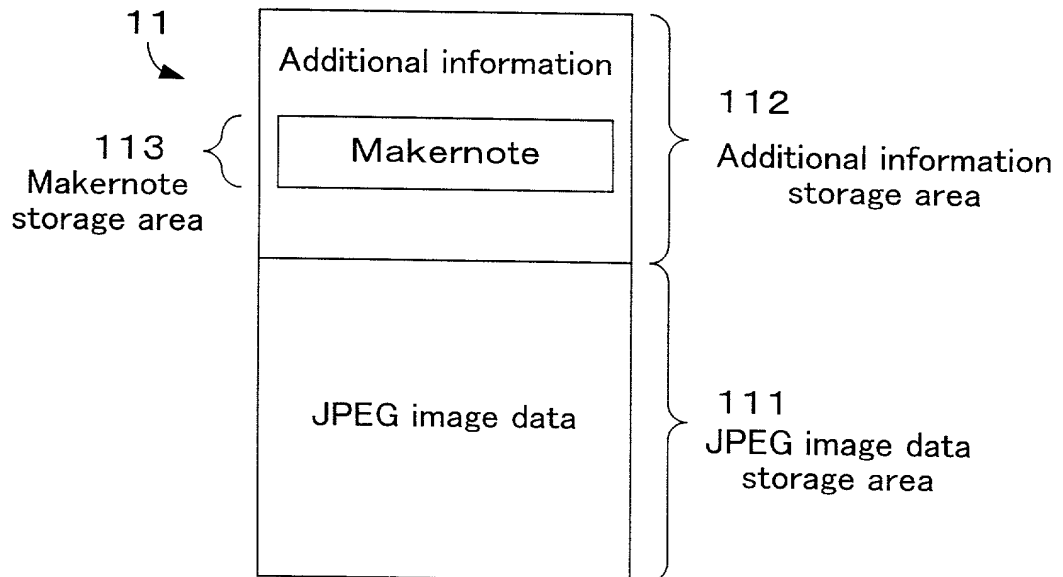


Fig. 3a

Offset	Meaning of Information
0	Maker name 00x0
6	reserve
8	Local tag entry count
10	Local tag 1
22	PrintMatching
-	-
10+12*(N-1)	Local tag N

114 →

113 Makernote data storage area

Fig. 3b

Offset	Meaning of Information
0	PrintMatching identifier
8	PIM Version information
12	Reserve
14	Parameter specification count
16	First parameter number
18	First parameter setting value
22	Second parameter number
24	Second parameter setting value
28	Third parameter number
30	Third parameter setting value
-	-
n-2	nth parameter setting value
n	nth parameter number

114 PrintMatching data storage area

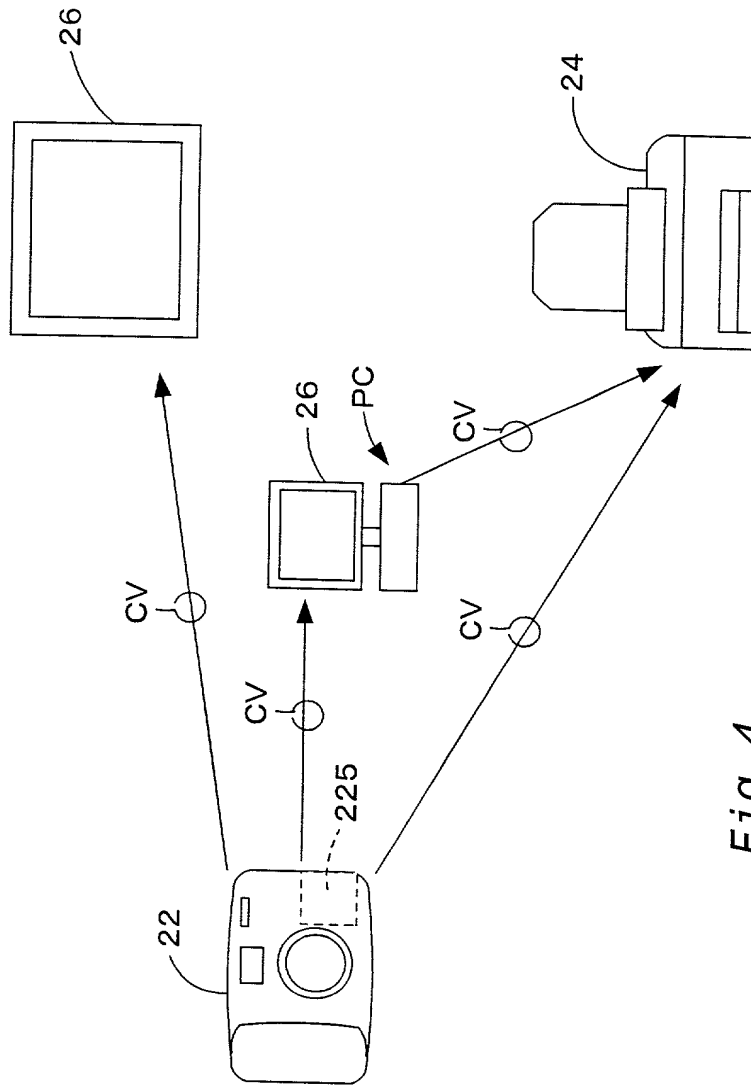


Fig. 4

Fig. 5

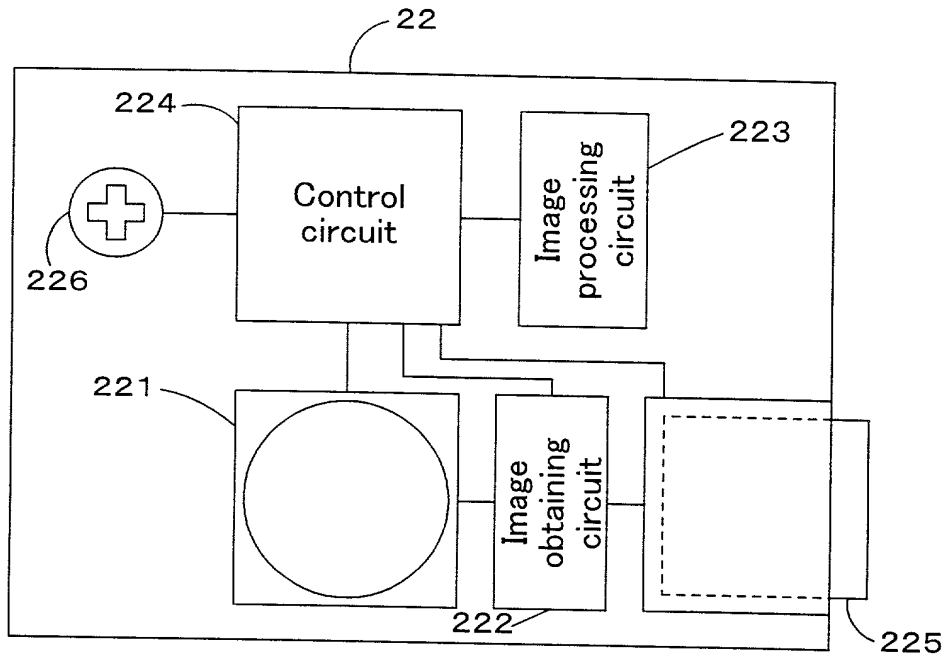


Fig. 6

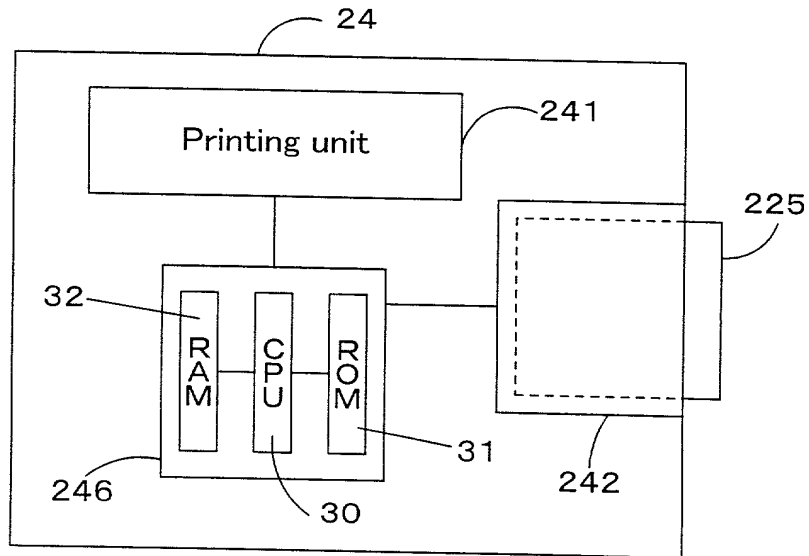


Fig. 7

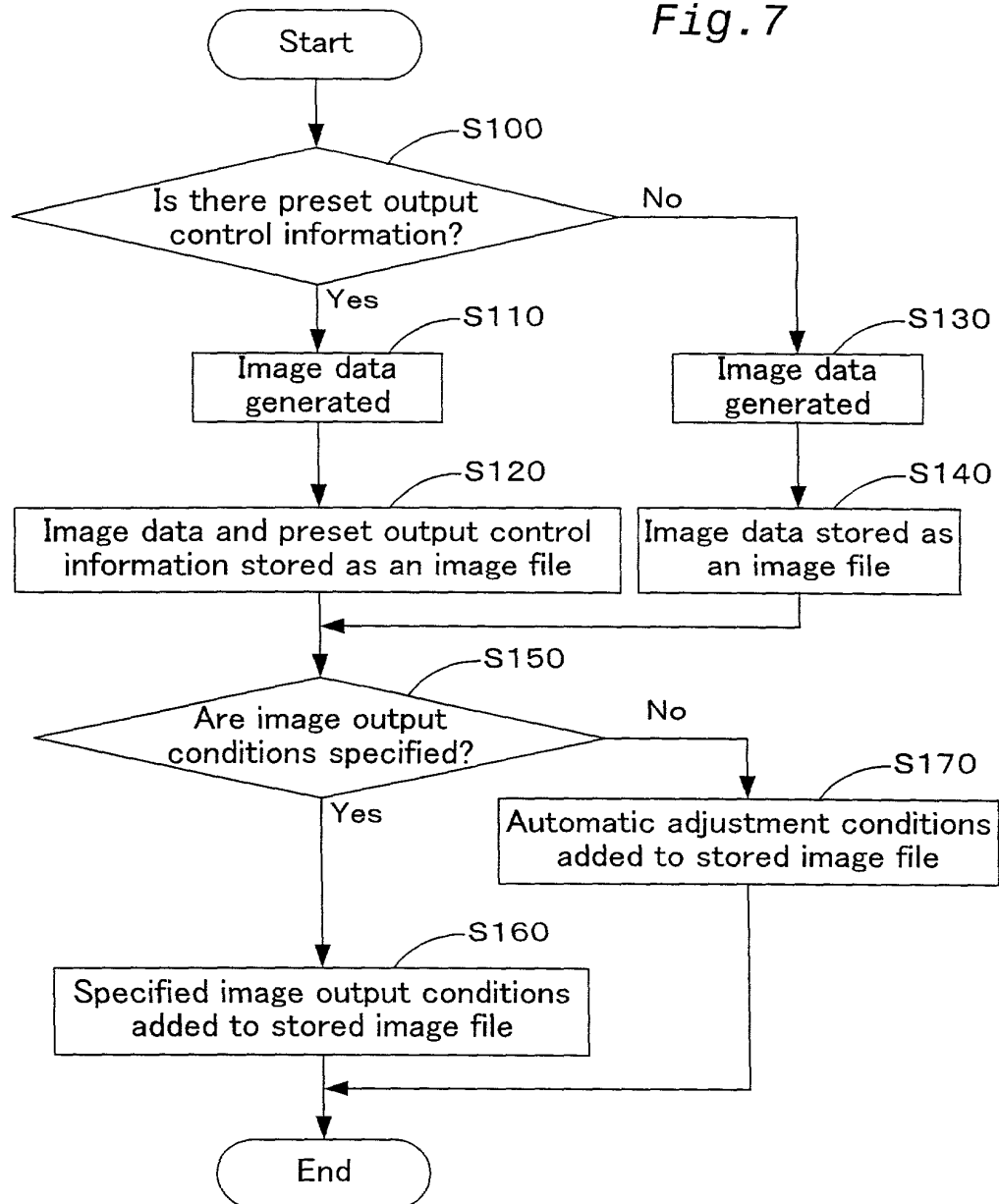


Fig. 8

Control Parameters	Specified Value
Gamma value	2. 2
Target color space	NTSC
sRGB negative value processing	1 (valid)
Shadow	5
Highlight	2
Contrast	0
Brightness	4
RGB color balance	R0/G-1/B2
Saturation	0
Sharpness	Threshold value 2 Applied volume 3
Stored color correction	Green 0, 0, 0 (unspecified), Light blue 0, 0, 0 (unspecified) Flesh 0, 0, 0 (unspecified), Red 0, 0, 0 (unspecified)
Automatic adjustment	5
Paper	3 (photographic paper)
Resolution	4 (photograph)
Bi-directional printing	1 (on)

FIG. 8

Fig. 9

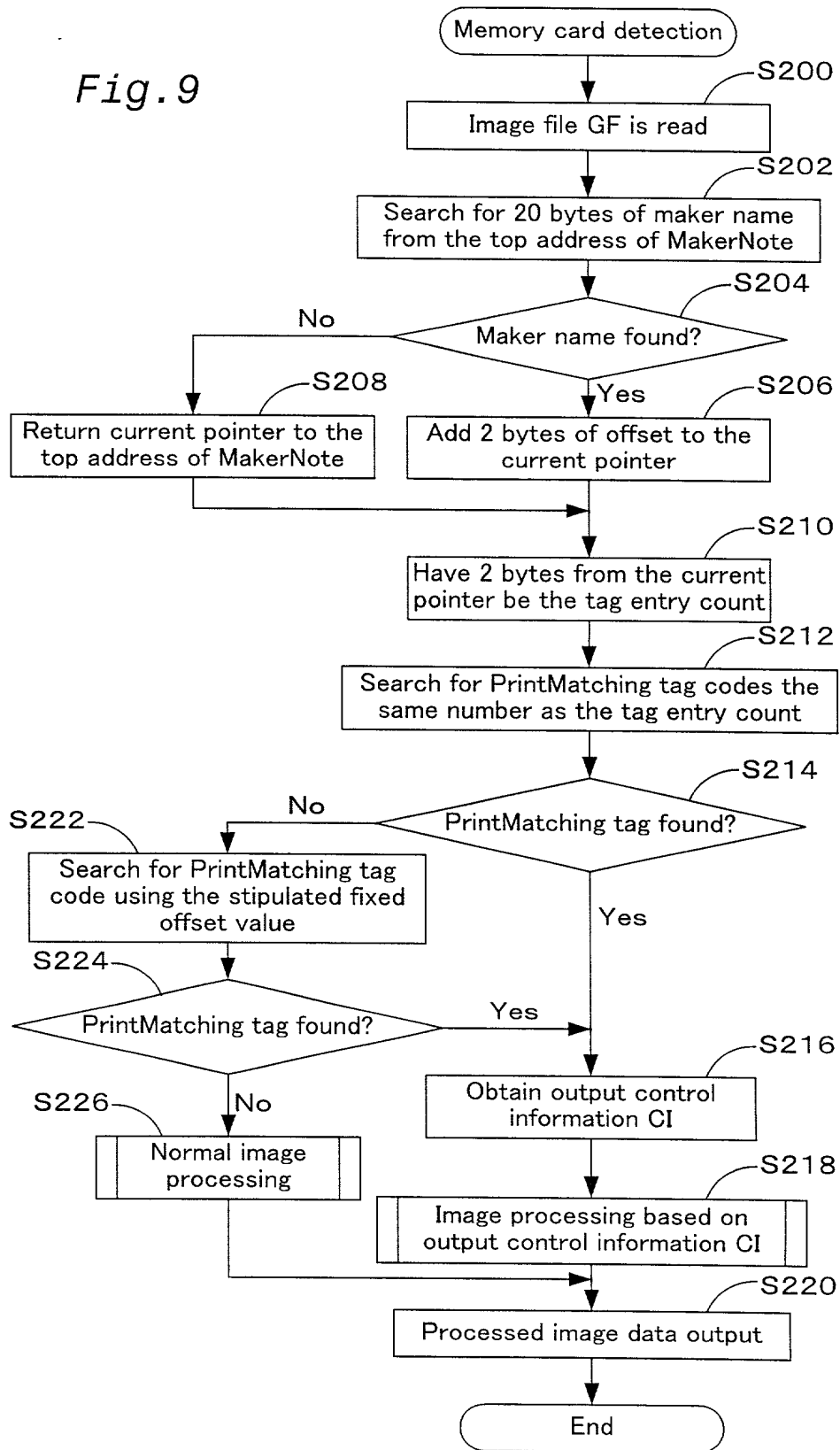


Fig. 10

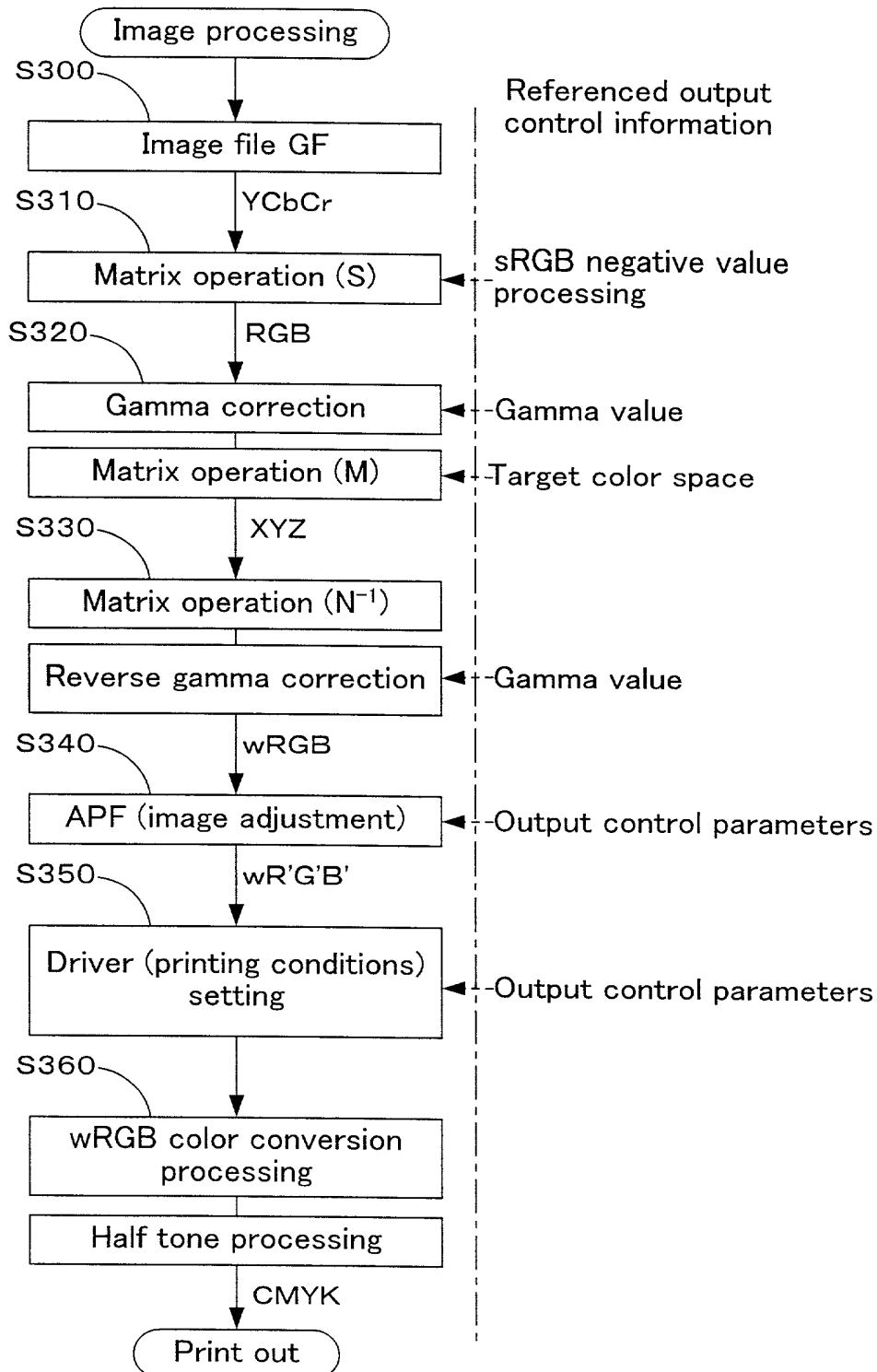
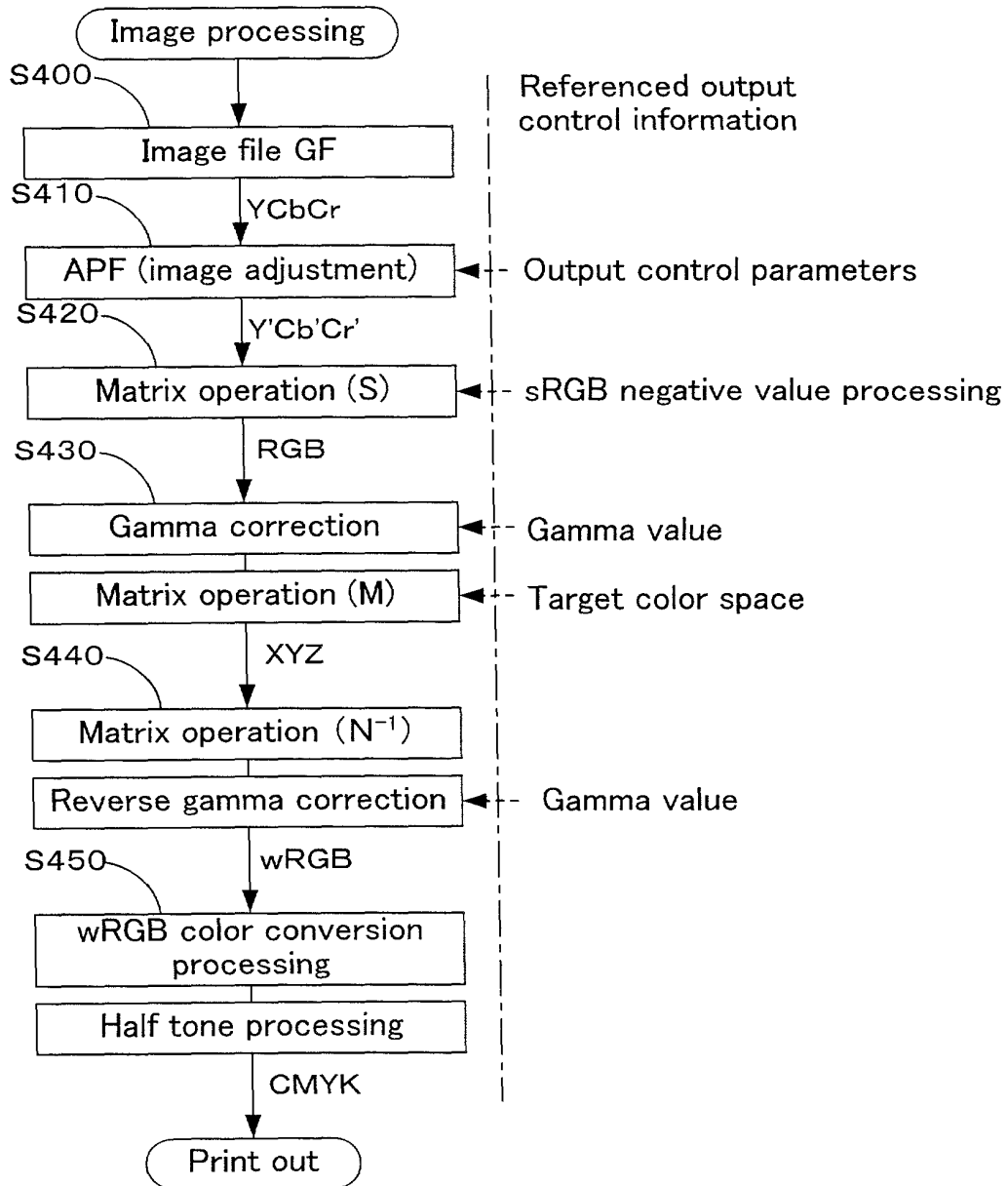


Fig. 11



$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = \mathbf{S} \begin{pmatrix} Y \\ Cb-128 \\ Cr-128 \end{pmatrix}$$

$$\mathbf{S} = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

Figure 12

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \quad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

$$Rt, Gt, Bt \geq 0$$

$$Rt' = \left(\frac{Rt}{255} \right)^{\gamma} \quad Gt' = \left(\frac{Gt}{255} \right)^{\gamma} \quad Bt' = \left(\frac{Bt}{255} \right)^{\gamma}$$

$$Rt, Gt, Bt < 0$$

$$Rt' = - \left(\frac{-Rt}{255} \right)^{\gamma} \quad Gt' = - \left(\frac{-Gt}{255} \right)^{\gamma} \quad Bt' = - \left(\frac{-Bt}{255} \right)^{\gamma}$$

Figure 13

$$\begin{pmatrix} Re \\ Ge \\ Be \end{pmatrix} = \mathbf{N}^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$\mathbf{N}^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$Re' = \left(\frac{Re}{255} \right)^{1/\gamma} \quad G' = \left(\frac{Ge}{255} \right)^{1/\gamma} \quad B' = \left(\frac{Be}{255} \right)^{1/\gamma}$$

Figure 14